

What is claimed is:

1. A method of analyzing a signature, comprising:
receiving the signature;
building a signature model based on the signature;
checking a uniqueness of at least one of the signature and the signature model;
and
delivering a signal which indicates the uniqueness of the signature model.
2. The method of claim 1, wherein receiving the signature further comprises receiving at least one pair of coordinates which constitutes a description of the signature.
3. The method of claim 1, wherein receiving the signature further comprises receiving a train of polygons which constitutes a description of the signature.
4. The method of claim 2, wherein receiving the signature further comprises receiving a time code with each respective pair of coordinates.
5. The method of claim 2, wherein receiving the signature further comprises receiving a pressure value with each respective pair of coordinates.
6. The method of claim 1, wherein building a signature model further comprises classifying the signature.
7. The method of claim 1, wherein building a signature model further comprises building the signature model from a plurality of user signatures.
8. The method of claim 1, wherein checking a uniqueness further comprises checking at least one parameter of the signature.
9. The method of claim 8, wherein the parameter is a length of the signature.

10. The method of claim 8, wherein the parameter is a slope of letters of the signature.

11. The method of claim 8, wherein the parameter is a number of bends of the signature.

12. The method of claim 8, wherein the parameter is a height/length ratio of the signature.

13. The method of claim 8, wherein the parameter is a derivative of a movement of the signature.

14. The method of claim 8, wherein the parameter is a size of the signature.

15. The method of claim 8, wherein the parameter is a pressure of the signature.

16. The method of claim 8, further comprising comparing the parameter to a predetermined uniqueness limit.

17. The method of claim 1, wherein checking a uniqueness further comprises checking the signature against a database of existing signature models.

18. The method of claim 1, wherein delivering a signal which indicates the uniqueness of the signature model further comprises delivering a signal indicative of whether the signature is below a uniqueness limit.

19. The method of claim 1, wherein delivering a signal which indicates the uniqueness of the signature model further comprises delivering a signal indicative of whether the signature is above a uniqueness limit.

20. The method of claim 1, wherein delivering a signal which indicates the uniqueness of the signature model further comprises delivering a signal indicative of how much the signature deviates from a uniqueness limit.

21. The method of claim 1, wherein delivering a signal which indicates the uniqueness of the signature model further comprises delivering a signal indicative of what to change about the signature in order to render the signature unique.

22. A computer-readable medium containing instructions for analyzing a signature, the instructions comprising:

receiving the signature;

building a signature model based on the signature;

checking a uniqueness of at least one of the signature and the signature model;

and

delivering a signal which indicates the uniqueness of the signature model.

23. The computer-readable medium of claim 22, wherein the instruction for receiving the signature further comprises an instruction for receiving at least one pair of coordinates which constitutes a description of the signature.

24. The computer-readable medium of claim 22, wherein the instruction for receiving the signature further comprises an instruction for receiving a train of polygons which constitutes a description of the signature.

25. The computer-readable medium of claim 23, wherein the instruction for receiving the signature further comprises an instruction for receiving a time code with each respective pair of coordinates.

26. The computer-readable medium of claim 23, wherein the instruction for receiving the signature further comprises an instruction for receiving a pressure value with each respective pair of coordinates.

27. The computer-readable medium of claim 22, wherein the instruction for building a signature model further comprises an instruction for classifying the signature.

28. The computer-readable medium of claim 22, wherein the instruction for building a signature model further comprises an instruction for building the signature model from a plurality of user signatures.

29. The computer-readable medium of claim 22, wherein the instruction for checking a uniqueness further comprises an instruction for checking at least one parameter of the signature.

30. The computer-readable medium of claim 22, wherein the instruction for checking a uniqueness further comprises an instruction for checking the signature against a database of existing signature models.

31. The computer-readable medium of claim 22, wherein the instruction for delivering a signal which indicates the uniqueness of the signature model further comprises an instruction for delivering a signal indicative of whether the signature is below a uniqueness limit.

32. The computer-readable medium of claim 22, wherein the instruction for delivering a signal which indicates the uniqueness of the signature model further comprises an instruction for delivering a signal indicative of whether the signature is above a uniqueness limit.

33. The computer-readable medium of claim 22, wherein the instruction for delivering a signal which indicates the uniqueness of the signature model further comprises an instruction for delivering a signal indicative of how much the signature deviates from a uniqueness limit.

34. The computer-readable medium of claim 22, wherein the instruction for delivering a signal which indicates the uniqueness of the signature model further comprises an instruction for delivering a signal indicative of what to change about the signature in order to render the signature unique.

35. A system for analyzing a user's signature, comprising:
a user unit for receiving the signature from the user; and
a checking device, in communication with the user unit, for building a signature model based on the signature, checking a uniqueness of at least one of the signature and the signature model, and deliver a signal which indicates the uniqueness of the signature model.

36. The system of claim 35, wherein the user unit is further operative to generate at least one pair of coordinates which constitute a description of the signature.

37. The system of claim 35, wherein the user unit is further operative to generate a train of polygons which constitutes a description of the signature.

38. The system of claim 35, further comprising a base provided with a position coding pattern and wherein the user unit is further operative to calculate at least a pair of coordinates generated from reading the coding pattern.

39. The system of claim 35 wherein the user unit further comprises an optical sensor and image processor for receiving and processing the signature.

40. The system of claim 36, wherein the user unit is further operative to generate a time code associated with each respective pair of coordinates.

41. The system of claim 36, wherein the user unit is further operative to receive a pressure value to be associated with each respective pair of coordinates.

42. The system of claim 35, wherein the checking device is operative to classify the signature.

43. The system of claim 35, wherein the checking device is further operative to build the signature model from a plurality of user signature.

44. The system of claim 35, wherein the checking device is further operative to check at least one parameter of the signature.

45. The system of claim 35, wherein the checking device is further operative to check the signature against a database of existing signature models.

46. The system of claim 35, wherein the checking device is further operative to deliver a signal indicative of whether the signature is below a uniqueness limit.

47. The system of claim 35, wherein the checking device is further operative to deliver a signal indicative of whether the signature is above a uniqueness limit.

48. The system of claim 35, wherein the checking device is further operative to deliver a signal indicative of how much the signature differs from a uniqueness limit.

49. The system of claim 35, wherein the checking device is further operative to deliver a signal indicative of what to change about the signature in order to render the signature unique.